Automated Transit Networks State of the Industry

ATN Applications

Mineta Transportation Institute
San José State University

Presented by:
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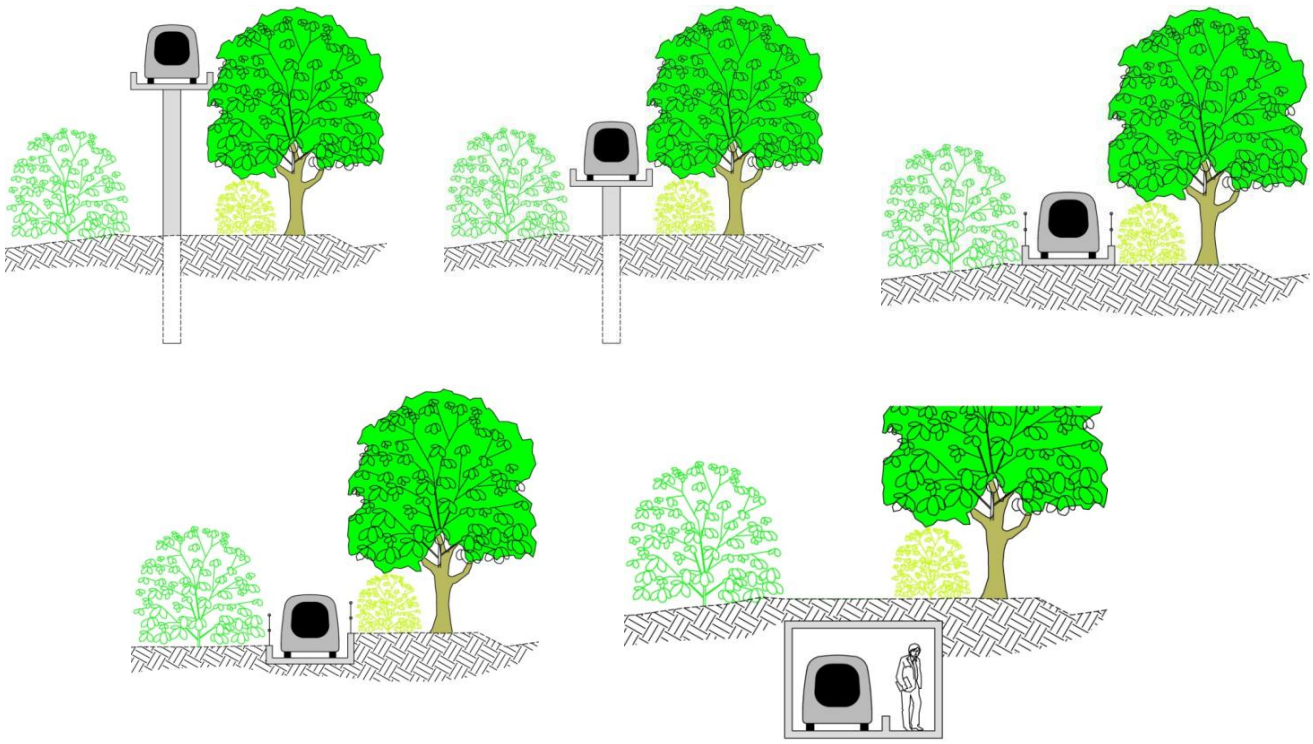
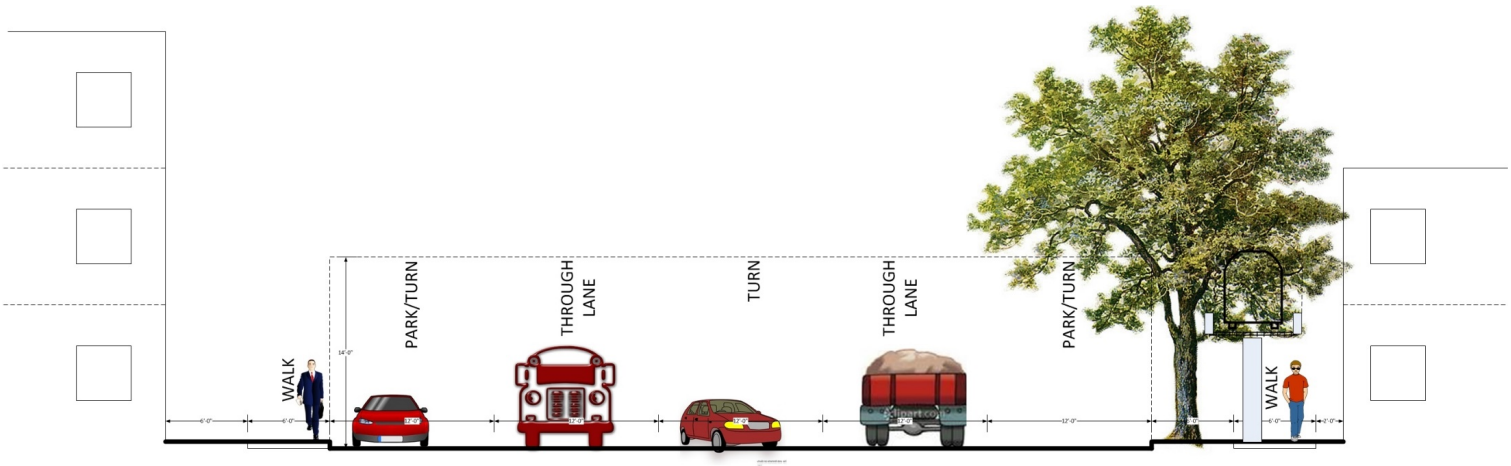
PRT Consulting, Inc.

Outline

- Integration with existing facilities
  - Guideways
  - Stations
- Trains, airports and campuses
- Capacity, scalability and mode share

Guideway concepts

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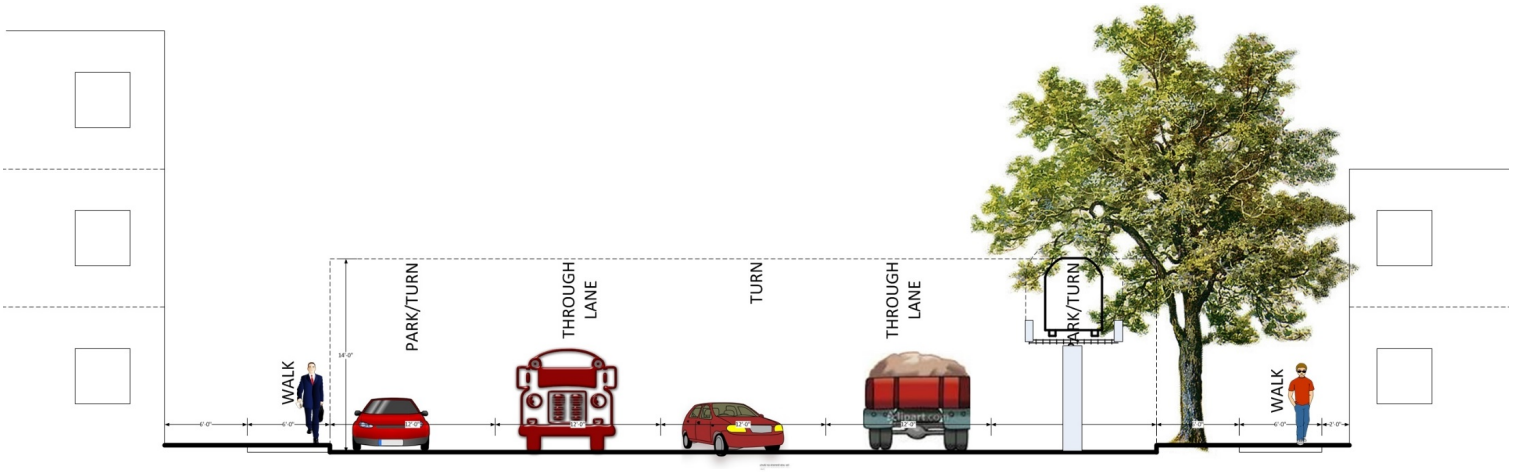
PARK/TURN
THROUGH LANE
TURN
THROUGH LANE
PARK/TURN
WALK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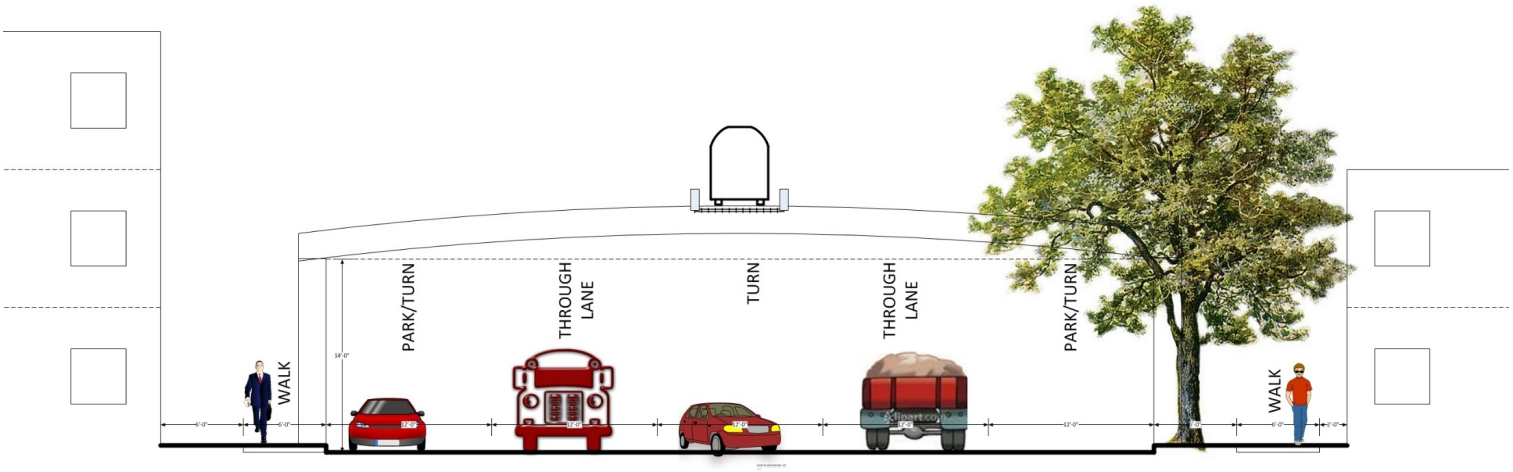
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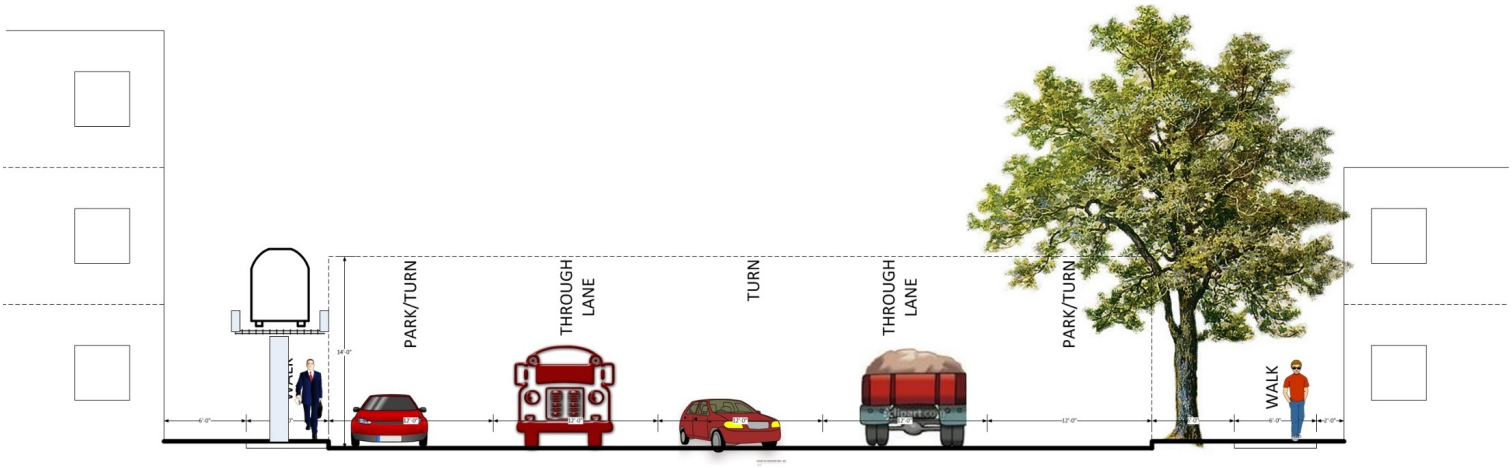
PARK/TURN
THROUGH LANE
TURN
THROUGH LANE
PARK/TURN
WALK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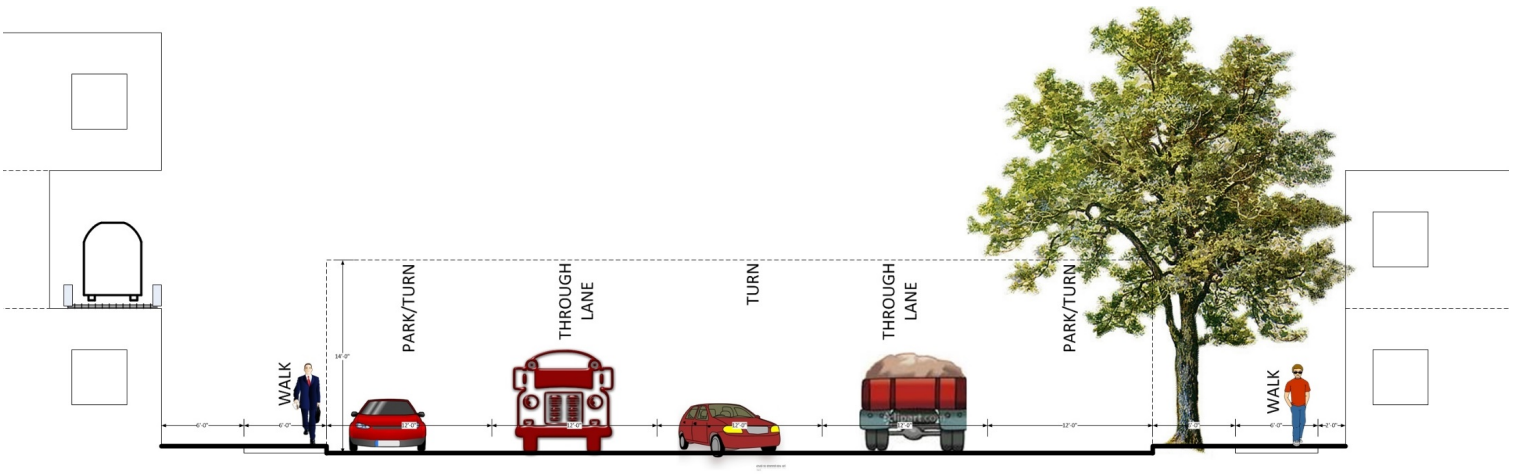
THROUGH LANE
TURN
THROUGH LANE
PARK/TURN
WALK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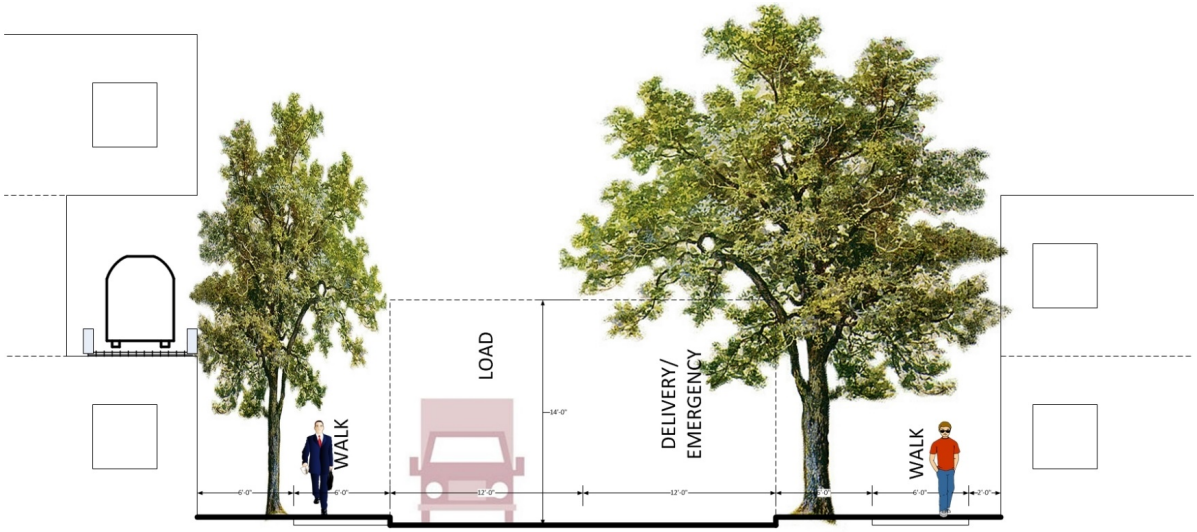
PARK/TURN
THROUGH LANE
TURN
THROUGH LANE
PARK/TURN
WALK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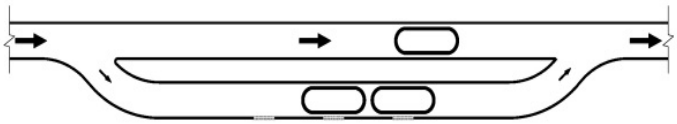
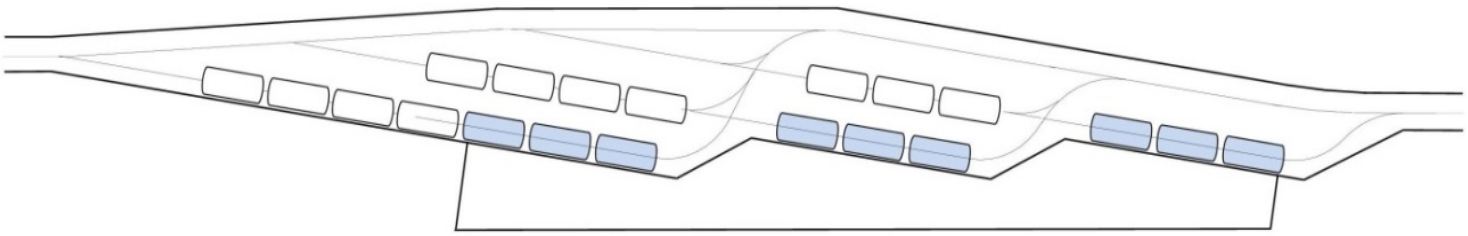
LOAD
14'-0"
DELIVERY/
EMERGENCY
WALK
6'-0"
6'-0"
12'-0"
12'-0"
6'-0"
6'-0"
2'-0"

WALK
WALK
6'-0"
2'-0"
12'-0"
6'-0"
2'-0"

Credit: Taxi
2000

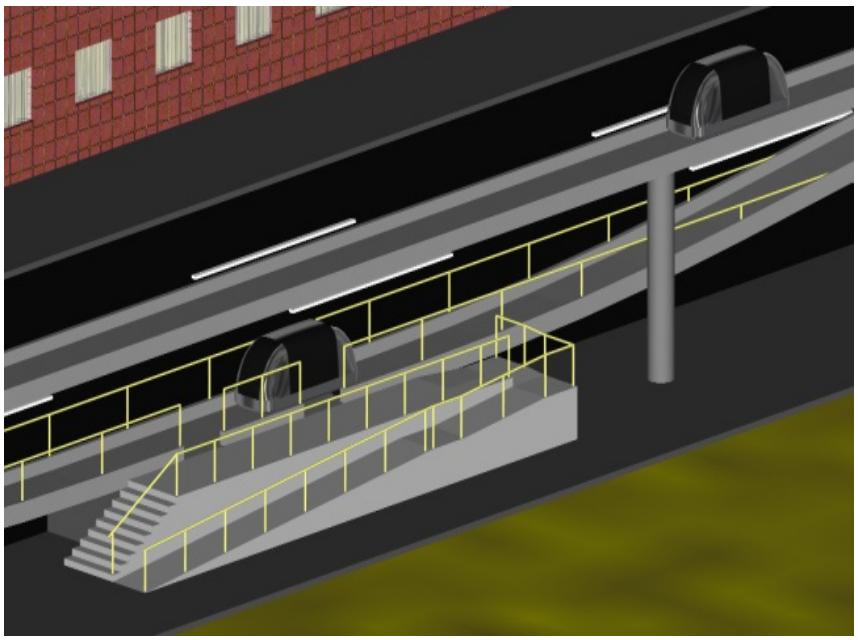
Station concepts

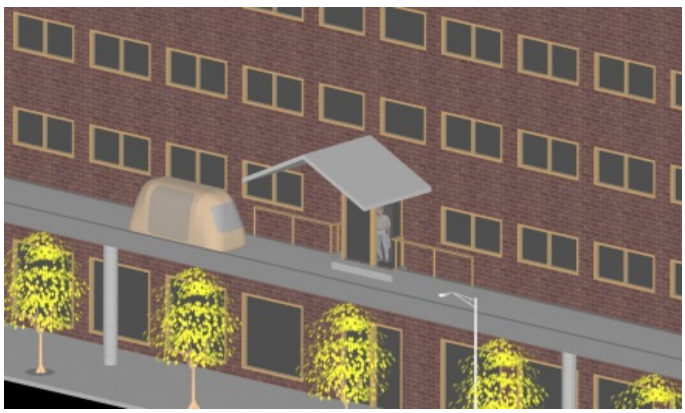




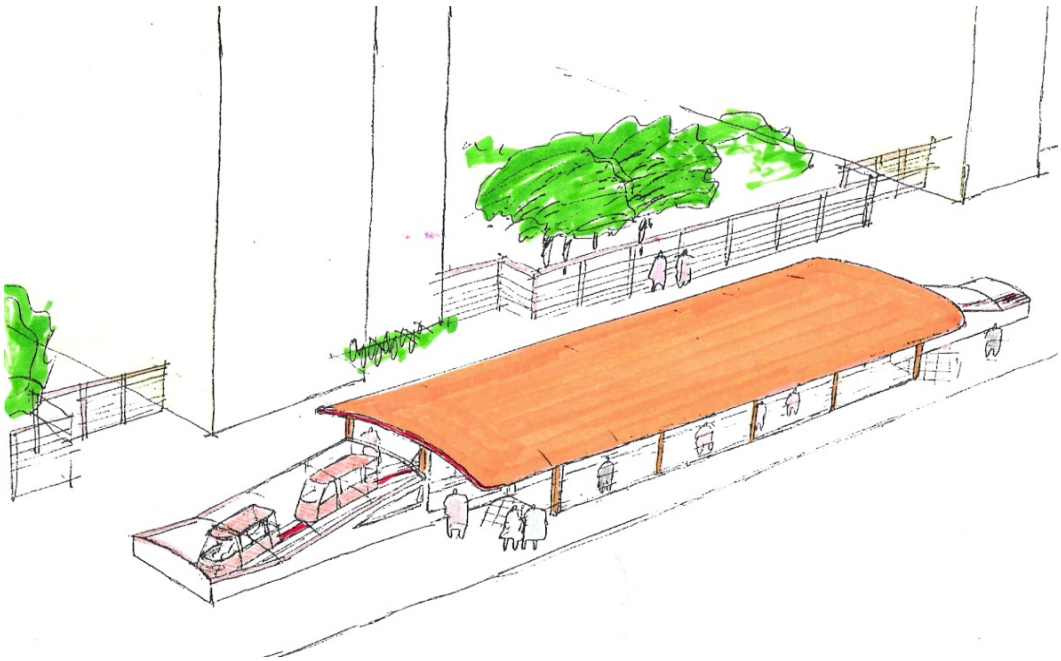
Credit Trans. 21
archive

Credit: Vectus
PRT





Credit:
MISTEP



Credit: Swedish
KEB

Trains, airports and campuses

Capacity, scalability and mode share

- Capacity
  - BWS
  - Ridesharing, platooning, larger vehicles
  - One second at 90 kph
- Scalability
  - 2 or 3 times OK
  - Need 10 or 100 times
- Mode share
  - Present studies have not been calibrated
- Demonstration/development program